

Larry Zeitlin

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

4,782
citations

147801

31
h-index

102487

66
g-index

80
all docs

80
docs citations

80
times ranked

4769
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversion of advanced Ebola virus disease in nonhuman primates with ZMapp. <i>Nature</i> , 2014, 514, 47-53.	27.8	883
2	Delayed treatment of Ebola virus infection with plant-derived monoclonal antibodies provides protection in rhesus macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18030-18035.	7.1	344
3	A humanized monoclonal antibody produced in transgenic plants for immunoprotection of the vagina against genital herpes. <i>Nature Biotechnology</i> , 1998, 16, 1361-1364.	17.5	264
4	Enhanced potency of a fucose-free monoclonal antibody being developed as an Ebola virus immunoprotectant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20690-20694.	7.1	210
5	Therapeutic Intervention of Ebola Virus Infection in Rhesus Macaques with the MB-003 Monoclonal Antibody Cocktail. <i>Science Translational Medicine</i> , 2013, 5, 199ra113.	12.4	199
6	A Role for Fc Function in Therapeutic Monoclonal Antibody-Mediated Protection against Ebola Virus. <i>Cell Host and Microbe</i> , 2018, 24, 221-233.e5.	11.0	182
7	Structures of protective antibodies reveal sites of vulnerability on Ebola virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17182-17187.	7.1	173
8	Systematic Analysis of Monoclonal Antibodies against Ebola Virus GP Defines Features that Contribute to Protection. <i>Cell</i> , 2018, 174, 938-952.e13.	28.9	173
9	Production of pharmaceutical-grade recombinant aprotinin and a monoclonal antibody product using plant-based transient expression systems. <i>Plant Biotechnology Journal</i> , 2010, 8, 638-654.	8.3	169
10	Antibodies from a Human Survivor Define Sites of Vulnerability for Broad Protection against Ebolaviruses. <i>Cell</i> , 2017, 169, 878-890.e15.	28.9	145
11	Glycan variants of a respiratory syncytial virus antibody with enhanced effector function and in vivo efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5992-5997.	7.1	107
12	Structures of Ebola virus GP and sGP in complex with therapeutic antibodies. <i>Nature Microbiology</i> , 2016, 1, 16128.	13.3	92
13	Pan-ebolavirus and Pan-filovirus Mouse Monoclonal Antibodies: Protection against Ebola and Sudan Viruses. <i>Journal of Virology</i> , 2016, 90, 266-278.	3.4	92
14	Using Monoclonal Antibodies to Prevent Mucosal Transmission of Epidemic Infectious Diseases. <i>Emerging Infectious Diseases</i> , 1999, 5, 54-64.	4.3	88
15	Preventing infectious disease with passive immunization. <i>Microbes and Infection</i> , 2000, 2, 701-708.	1.9	86
16	Development of a Human Antibody Cocktail that Deploys Multiple Functions to Confer Pan-Ebolavirus Protection. <i>Cell Host and Microbe</i> , 2019, 25, 39-48.e5.	11.0	83
17	A Two-Antibody Pan-Ebolavirus Cocktail Confers Broad Therapeutic Protection in Ferrets and Nonhuman Primates. <i>Cell Host and Microbe</i> , 2019, 25, 49-58.e5.	11.0	82
18	Antibody Treatment of Ebola and Sudan Virus Infection via a Uniquely Exposed Epitope within the Glycoprotein Receptor-Binding Site. <i>Cell Reports</i> , 2016, 15, 1514-1526.	6.4	80

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19	Two-mAb cocktail protects macaques against the Makona variant of Ebola virus. <i>Science Translational Medicine</i> , 2016, 8, 329ra33.	12.4	78
20	Emerging antibody products and Nicotiana manufacturing. <i>Hum Vaccin</i> , 2011, 7, 349-356.	2.4	71
21	3B11-N, a monoclonal antibody against MERS-CoV, reduces lung pathology in rhesus monkeys following intratracheal inoculation of MERS-CoV Jordan-n3/2012. <i>Virology</i> , 2016, 490, 49-58.	2.4	67
22	Therapeutic treatment of Marburg and Ravn virus infection in nonhuman primates with a human monoclonal antibody. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	64
23	Synthetic Human Monoclonal Antibodies toward Staphylococcal Enterotoxin B (SEB) Protective against Toxic Shock Syndrome. <i>Journal of Biological Chemistry</i> , 2012, 287, 25203-25215.	3.4	61
24	Monoclonal antibody therapy for Junin virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4458-4463.	7.1	50
25	Antibody therapeutics for Ebola virus disease. <i>Current Opinion in Virology</i> , 2016, 17, 45-49.	5.4	45
26	Chimeric Plantibody Passively Protects Mice against Aerosolized Ricin Challenge. <i>Vaccine Journal</i> , 2014, 21, 777-782.	3.1	43
27	Non-neutralizing Antibodies from a Marburg Infection Survivor Mediate Protection by Fc-Effector Functions and by Enhancing Efficacy of Other Antibodies. <i>Cell Host and Microbe</i> , 2020, 27, 976-991.e11.	11.0	43
28	Protective neutralizing antibodies from human survivors of Crimean-Congo hemorrhagic fever. <i>Cell</i> , 2021, 184, 3486-3501.e21.	28.9	39
29	The emergence of antibody therapies for Ebola. <i>Human Antibodies</i> , 2015, 23, 49-56.	1.5	37
30	Combination therapy protects macaques against advanced Marburg virus disease. <i>Nature Communications</i> , 2021, 12, 1891.	12.8	37
31	Safety, acceptability, and pharmacokinetics of a monoclonal antibody-based vaginal multipurpose prevention film (MB66): A Phase I randomized trial. <i>PLoS Medicine</i> , 2021, 18, e1003495.	8.4	34
32	Second-generation HIV microbicides: Continued development of griffithsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6029-6030.	7.1	33
33	Broadly neutralizing antibody cocktails targeting Nipah virus and Hendra virus fusion glycoproteins. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 426-434.	8.2	33
34	Mapping of Ebolavirus Neutralization by Monoclonal Antibodies in the ZMapp Cocktail Using Cryo-Electron Tomography and Studies of Cellular Entry. <i>Journal of Virology</i> , 2016, 90, 7618-7627.	3.4	32
35	Herpes simplex virus-binding IgG traps HSV in human cervicovaginal mucus across the menstrual cycle and diverse vaginal microbial composition. <i>Mucosal Immunology</i> , 2018, 11, 1477-1486.	6.0	29
36	Prophylactic and therapeutic testing of Nicotiana-derived RSV-neutralizing human monoclonal antibodies in the cotton rat model. <i>MAbs</i> , 2013, 5, 263-269.	5.2	28

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37	Structure and Characterization of Crimean-Congo Hemorrhagic Fever Virus GP38. <i>Journal of Virology</i> , 2020, 94, .	3.4	28
38	Humanized Monoclonal Antibody That Passively Protects Mice against Systemic and Intranasal Ricin Toxin Challenge. <i>Vaccine Journal</i> , 2016, 23, 795-799.	3.1	27
39	ZMapp Reinforces the Airway Mucosal Barrier Against Ebola Virus. <i>Journal of Infectious Diseases</i> , 2018, 218, 901-910.	4.0	26
40	Pharmacokinetics and Preliminary Safety of Pod-Intravaginal Rings Delivering the Monoclonal Antibody VRC01-N for HIV Prophylaxis in a Macaque Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	25
41	Engineering monoclonal antibody-based contraception and multipurpose prevention technologies. <i>Biology of Reproduction</i> , 2020, 103, 275-285.	2.7	23
42	Development of an antibody cocktail for treatment of Sudan virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3768-3778.	7.1	23
43	Systemic and topical use of monoclonal antibodies to prevent the sexual transmission of HIV. <i>Aids</i> , 2017, 31, 1505-1517.	2.2	22
44	Plant-based production of highly potent anti-HIV antibodies with engineered posttranslational modifications. <i>Scientific Reports</i> , 2020, 10, 6201.	3.3	22
45	Rescue of rhesus macaques from the lethality of aerosolized ricin toxin. <i>JCI Insight</i> , 2019, 4, .	5.0	22
46	Inhibition of invasive salmonella by orally administered IgA and IgG monoclonal antibodies. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007803.	3.0	19
47	Combination therapy with remdesivir and monoclonal antibodies protects nonhuman primates against advanced Sudan virus disease. <i>JCI Insight</i> , 2022, 7, .	5.0	18
48	Aerosol infection of Balb/c mice with eastern equine encephalitis virus; susceptibility and lethality. <i>Virology Journal</i> , 2019, 16, 2.	3.4	17
49	Effective Treatment of Staphylococcal Enterotoxin B Aerosol Intoxication in Rhesus Macaques by Using Two Parenterally Administered High-Affinity Monoclonal Antibodies. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	17
50	A tripartite cocktail of chimeric monoclonal antibodies passively protects mice against ricin, staphylococcal enterotoxin B and <i>Clostridium perfringens</i> epsilon toxin. <i>Toxicon</i> , 2014, 92, 36-41.	1.6	16
51	Human antibody recognizing a quaternary epitope in the Puumala virus glycoprotein provides broad protection against orthohantaviruses. <i>Science Translational Medicine</i> , 2022, 14, eabl5399.	12.4	16
52	Emerging Antibody-based Products. <i>Current Topics in Microbiology and Immunology</i> , 2012, 375, 107-126.	1.1	15
53	Plant-Derived Monoclonal Antibodies for Prevention and Treatment of Infectious Disease. <i>Microbiology Spectrum</i> , 2014, 2, AID-0004-2012.	3.0	14
54	Efficacy of Human Monoclonal Antibody Monotherapy Against Bundibugyo Virus Infection in Nonhuman Primates. <i>Journal of Infectious Diseases</i> , 2018, 218, S565-S573.	4.0	13

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55	A Humanized Monoclonal Antibody Cocktail to Prevent Pulmonary Ricin Intoxication. <i>Toxins</i> , 2020, 12, 215.	3.4	13
56	Antibody-based concepts for multipurpose prevention technologies. <i>Antiviral Research</i> , 2013, 100, S48-S53.	4.1	12
57	Passive immunization with an extended half-life monoclonal antibody protects Rhesus macaques against aerosolized ricin toxin. <i>Npj Vaccines</i> , 2020, 5, 13.	6.0	12
58	Production and characterization of a human antisperm monoclonal antibody against CD52g for topical contraception in women. <i>EBioMedicine</i> , 2021, 69, 103478.	6.1	12
59	Prior vaccination with rVSV-ZEBOV does not interfere with but improves efficacy of postexposure antibody treatment. <i>Nature Communications</i> , 2020, 11, 3736.	12.8	11
60	Plant-based production of two chimeric monoclonal IgG antibodies directed against immunodominant epitopes of <i>Vibrio cholerae</i> lipopolysaccharide. <i>Journal of Immunological Methods</i> , 2015, 422, 111-117.	1.4	9
61	Susceptibility and Lethality of Western Equine Encephalitis Virus in Balb/c Mice When Infected by the Aerosol Route. <i>Viruses</i> , 2017, 9, 163.	3.3	9
62	Rapid detection of an Ebola biomarker with optical microring resonators. <i>Cell Reports Methods</i> , 2022, 2, 100234.	2.9	9
63	Therapy for Argentine hemorrhagic fever in nonhuman primates with a humanized monoclonal antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
64	Multiantibody Strategies for HIV. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-11.	3.3	7
65	Hexavalent sperm-binding IgG antibody released from vaginal film for development of potent on-demand nonhormonal female contraception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
66	Reproducibility and flexibility of monoclonal antibody production with <i>Nicotiana benthamiana</i> . <i>MAbs</i> , 2022, 14, 2013594.	5.2	7
67	Emerging antibody-based products for infectious diseases: Planning for metric ton manufacturing. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-11.	3.3	6
68	Manufacturing plant-made monoclonal antibodies for research or therapeutic applications. <i>Methods in Enzymology</i> , 2021, 660, 239-263.	1.0	5
69	Reversion of Ebolavirus Disease from a Single Intramuscular Injection of a Pan-Ebolavirus Immunotherapeutic. <i>Pathogens</i> , 2022, 11, 655.	2.8	5
70	Proteo-Genomic Analysis Identifies Two Major Sites of Vulnerability on Ebolavirus Glycoprotein for Neutralizing Antibodies in Convalescent Human Plasma. <i>Frontiers in Immunology</i> , 2021, 12, 706757.	4.8	4
71	Cross-Strain Neutralizing and Protective Monoclonal Antibodies against EEEV or WEEV. <i>Viruses</i> , 2021, 13, 2231.	3.3	3
72	Plant-Derived Monoclonal Antibodies for Prevention and Treatment of Infectious Disease. , 0, , 411-425.		0

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73	Special focus issue: passive immunization. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 2028517.	3.3	0